APX 7500 Mobile Radio Accessory Portfolio

Accessories for Motorola's APX™ Project 25
Multi-Band Mobiles

MOTOROLA

Motorola's most advanced mobiles deliver exceptional performance.

APX P25 Multi-Band Mobiles provide innovations that enhance safety and elevate performance.

Motorola's APX P25 Multi-band radios deliver exceptional performance by combining advanced voice and data technology driven by challenges of mission critical users. With the APX 7500, organizations can purchase one radio for instant multi-band communication – and streamline the expense of maintaining, installing, and operating multiple radios. These radios and accessories deliver exceptional performance by combining advanced voice and data technology with legendary Motorola quality.

Add-On. Optimize. Enhance.
To complement the APX 7500 mobile two-way radio, Motorola Original® accessories are specifically designed for mission critical communications. Every Motorola accessory is performance-matched for Motorola radios – designed, built and rigorously tested to the same quality standards as the APX radio. Agencies can be assured every product in this catalog perfectly complements the radio's performance. Many accessories from the Motorola XTL radios that utilize the O5 and O3 control heads can be reused – maximizing investment while maintaining the latest technology.

Plus, select accessories incorporate the new **IMPRES™ Smart Audio System** which provides enhanced communication between the radio and accessory optimizing the audio performance and assuring the highest quality communication. When an IMPRES accessory is attached to the radio, accessory identification is sent to the APX radio enabling the radio to optimize its output for each type of audio accessory. This results in more consistent output across all accessories. For example, the IMPRES Visor Microphone is able to pick up and transmit the user's voice consistently to the receiving user regardless of how close they are speaking into the microphone.

Audio Accessories

Keypad Microphone
Access critical features directly on the microphone. Navigational buttons and a full keypad allow users to navigate radio menus, dial phone numbers and send text messages. Three programmable buttons are available for additional customization.

HMN4079   Keypad Microphone

Palm Microphone
Sturdy and durable microphone that provides basic push-to-talk functionality for dependable communications.

HMN1090   Standard Palm Microphone
HMN1089   Water Resistant Palm Microphone
HMN1079   Water Resistant Palm Microphone for motorcycle mounted mobiles
HLN5391   Spare Microphone Hang-Up Clip

Microphone Extension Cables
Allow users to extend microphone cord length. Compatible with HMN1089 and HMN1090 only.

PMKN4033   Microphone Extension Cable – 10 feet

Telephone Handset
The telephone handset provides a flexible, discreet option when using a mobile radio for private conversations in a vehicular environment. The keypad model allows users to dial phone numbers and send text messages.

HMN4097   Telephone Keypad Handset
HKN1018   Hang Up Handset with Normal Armored Cable (Old Style)

HANDS-FREE AUDIO ACCESSORIES

IMPRES Visor Microphone
IMPRES technology optimizes audio communication despite the vehicle background noise. This small microphone mounts to vehicle's visor for convenient hands-free radio operation and safety while in a vehicle.

RMN5054   IMPRES Visor Microphone

Emergency Switches
These accessory switches interface with the visor microphone and enable users to send emergency messages to desktop consoles where signaling unit ID number is displayed and alarm is sounded.

HLN5113   Emergency Footswitch
HLN5131   Emergency Pushbutton

External Push-to-Talk Options
GLN7278   Footswitch Push-to-Talk
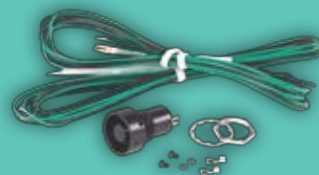**RLN5926**   Push button Push-to-Talk

HMN4079

HMN1090

HKN1018

RMN5054

HLN5131

GLN7278

RMN5070

HPN4007

HLN6372

HKN6187

CONTROL STATION ACCESSORIES

Desktop Microphone and Tray

Users can conveniently convert an APX mobile into a basic base station. This is an ideal solution for dispatch and transportation users.

RMN5070	Desktop Microphone
HLN6042	Desktop Tray with Speaker
HPN4007	Control Station Power Supply (110V, 15amps 25-60W rated)
3060665A04	110V Line Cord

HARDWARE KITS

Trunion Kits

These hardware kits mount the mobile in the vehicle

HLN7003	High Power Trunion Kit (Quick Release with Lock)
HLN7002	Mid Power Trunion Kit (Standard Bracket Installation)
HLN6372	Mid Power Trunion Lock

ALARMS

External Alarm Accessories

These accessories enable additional switching power when external accessories are attached.

HKN4258	External Alarm Cable
HLN6953	External Alarm Buzzer
HLN6969	External Alarm Relays
HLN1224	Auxiliary Switch Panel

CABLES

O3 Handheld Control Head Cables

PMLN4958	O3 Handheld Control Head 17-foot Extension Cable - connects the O3 control head to the transceiver
PMLN4959	O3 Handheld Control Head Accessory Cable - provides additional connections on the transceiver for mobile accessories

Control Head Accessory Cables

These cables connect the APX 7500 to the car battery

HKN6187	Cable provides connections for control head power, speaker, headset jack
HKN6188	Cable provides Control Head Power and Speaker

Programming Cables

HKN6184	USB Cable, mobile microphone port (MMP) connection, for use with the customer programming software (CPS)
HKN6163	6-foot USB Cable, rear accessory port connection, dash mount installations, for use with the customer programming software (CPS)
HKN6172	15-foot USB Cable rear accessory port connection, remote mount installations, for use with the customer programming software (CPS)

Cables continued...

Power Cables

HKN4191	10-foot Mid Power Cable for dash mount installations
HKN4192	20-foot Mid Power Cable for remote mount installations
HKN6110	20-foot 100W Power Cable for high power remote mount installations
HLN6863	Mid-Power Rear Ignition Cable for dash mount installations

Data Cables

HKN6160	6-foot RS232 Cable for rear accessory port, dash mount installations
HKN6161	20-foot RS232 Cable for rear accessory port, remote mount installations
HKN6183	RS232 Cable for mobile microphone port (MMP)
HKN6122	22-foot RS232 Cable for J600 transceiver interconnect board (TIB)

Remote Mount Control Head Cables

Remote Mount cables enable users to separate the mobile control head from the transceiver. This is beneficial when there is limited space in the dash or console for the mobile.

HKN6164	131-Foot Remote Mount Cable
HKN6165	115-Foot Remote Mount Cable
HKN6166	75-Foot Remote Mount Cable
HKN6167	50-Foot Remote Mount Cable
HKN6168	30-Foot Remote Mount Cable
HKN6169	17-Foot Remote Mount Cable
HKN6170	10-Foot Remote Mount Cable
HKN6186	Remote Control Head Trunion (bracket to mount control head)
HKN6196	Remote Control Head Vehicular Interface Port (VIP) Connector for O5 Control Heads
HLN6961	Remote Control Head Mobile Accessory Port (MAP) Connector for O5 Control Heads (rear connector)

Motorcycle Enclosures

Weather-resistant metal enclosure houses the radio on a motorcycle.

HLN7022	Motorcycle Enclosure, Black
HKN6032	Motorcycle Power Cable
3075217A01	Motorcycle Remote Cable for O5 Control Head

Miscellaneous Cables

TKN8531	Keyloader Cable KVL3000
HKN6182	Keyloader Adapter for mobile microphone port (MMP), 1.5″ Cable

Speakers & Sirens

SPEAKERS

External Loudspeakers

Control station accessories that enable users to listen to radio communications in high noise environments. The 13 watt model provides the audio level needed for extreme noise environments.

HSN4038   Water Resistant Speaker (7.5 Watt Rated Audio), Remote Mount
HSN4040   Water Resistant Speaker (13 Watt Rated Audio), Remote Mount
HSN6003   Water Resistant Motorcycle Speaker (13 Watt Rated Audio)
HSN4031   Non Water-resistant Speaker (7.5 Watt Rated Audio)
HSN4032   Non Water-resistant Speaker (13 Watt Rated Audio)

SIRENS

For Sirens and Public Address Kits

These external loudspeakers enable users to utilize the radio as a public address system.

TDN6251   Siren Speaker, Round with Chrome Finish
TDN6252   Siren Speaker, Rectangular with Chrome Finish
TDN6253   Siren Speaker, Under Hood with Gray Finish
TDN6254   Siren Speaker, Round with Gray Finish

Sirens/Direct Entry Keypads

Direct Entry Keypads give users the ability to transmit short messages or operate mode functions such as opening a door or activating a siren via the mobile radio.

H1338   Status/Message Direct Entry Keypad – 8 button
H1339   Status/Message Direct Entry Keypad – 16 button
H1615   Mode Direct Entry Keypad – 8 button
H1616   Mode Direct Entry Keypad – 24 button
H1336   Siren/Public Address Kit with Direct Entry Keypad – 8 Button
               This siren/public address kit provides controlled tones for hi/low, yelp and airhorn through supplemental housing. This kit works with the O5 Control Head only.
HLN1439   Mobile Siren
HLN1338   Direct Entry Keypad Siren PA
HLN6819   Siren Switchbox
HKN6146   Siren Cable, connects the O3 siren to switchbox
HKN6145   Siren Cable to Direct Entry Keypad for APX mobiles with the O3 handheld control head
HKN6189   Direct Entry Keypad Cable Adapter - adapts XTL configurations to APX mounting configurations

Antennas

If the mobile is programmed with multiple RF bands, one mobile antenna is required for each band. Each frequency band has its own RF port.

THROUGH-HOLE MOUNT ANTENNAS

VHF Antennas

HAD4006	136-144 MHz 1⁄4 Wave
HAD4007	144-150.8 MHz 1⁄4 Wave
HAD4008	150.8-162 MHz 1⁄4 Wave
HAD4009	162-174 MHz 1⁄4 Wave
HAD4016	136-162 MHz 1⁄4 Wave
HAD4017	146-174 MHz 1⁄4 Wave
RAD4010ARB	136-174 MHz 3.0dB Gain
HAD4021	136-174 MHz Wideband

7 0 0 - 8 0 0 MHz Antennas

HAF4013	762-870 MHz 3dB Gain Low Profile
HAF4014	762-870 MHz 3dB Gain Elevated Feed
HAF4016	762-870 MHz 1⁄4 Wave Through-hole Mount
HAF4017	762-870 MHz 3dB Gain Collinear Through-hole Mount

Motorcycle Mount Antennas

RAD4002	VHF, 136-144 MHz 1/4 Wave
RAD4003	VHF, 144-150.8 MHz 1/4 Wave
RAD4004	VHF, 150.8-162 MHz 1/4 Wave
RAD4005	VHF, 162-174 MHz 1/4 Wave
HAF4015	700/800 MHz, 762-870 MHz 3dB Gain
HAF4018	700/800 MHz, 762-870 MHz Low Profile

GPS Antennas

A separate GPS antenna is required in addition to the mobile RF antenna if GPS capability is required.

HAG4000	GPS Roof Mount Antenna
HAG4001	GPS Motorcycle Antenna
PMAN4001	GPS Glass Mount Antenna

HAD4006

HAD4008

HAD4009

HAG4000

HAG4001

PMAN4001

MOTO*A⁴*™

Mission Critical Portfolio

Technology That's Second Nature™

The APX™ Mobile Two-Way Radios are part of the MOTOA4 Mission Critical Portfolio of products that offer seamless connectivity between first responders. Motorola puts real-time information in the hands of public safety personnel to provide better information that enables better decisions for better outcomes. It's Technology That's Second Nature.

APX P25 Multi-Band Radios

Additional information and resources such as product information, brochures, and white papers are available on the APX product website found at **motorola.com/apx**.

> **motorola.com/apx**

MOTOROLA